

Type: Condensing units with air cooled condenser and hermetic piston compressor

Producer: Cubigel Compressors

Series: HMBP

Model: CGX18TB_N

General data

Refrigerant:	R134a
Compressor's cooling:	Fan cooled
Maximum ambient temperature [°C]:	43
Maximum permitted pressure [kg / cm ²]:	20

Condenser technical data

Condenser type:	CU-AL
Condenser model:	10T 4R
Fan engine's capacity [W]:	25
Fan diameter [mm]:	254

Compressor technical data

Compressor:	GX18TB
Displacement [m ³ /h]:	18,4
Cylinder diameter / stroke [mm]:	34,94/19,20
Engine type:	CSIR
Power supply [V / Hz]:	220-240/50
Voltage range [V]:	187-264
Locked rotor current [A]:	24
Main winding resistance (25°C) [Ω]:	2,94
Starting winding resistance (25°C) [Ω]:	31

Versions

	<u>CGX18TB1N</u>	<u>CGX18TB2N</u>	<u>CGX18TB3N</u>	<u>CGX18TB4N</u>	<u>CGX18TB5N</u>
Receiver volume [l]:	-	-	1,3	-	1,3
Suction line diameter ["]:	5/16	3/8F	3/8F	5/16	3/8F
Discharge line diameter ["]:	5/16	3/8F	3/8R	5/16	3/8R

R134a

Performance

t_e	t_a	Q	P	I
-25	39	383	422	3
-20	40	518	474	3
-15	42	674	530	4
-10	44	851	590	4
-5	46	1 049	655	4
0	49	1 269	724	5
5	52	1 509	798	5
7	53	1 612	829	5

Test conditions: f=50 Hz; 35°C Ambient temperature and suction gas return

t_e - Evaporating temperature [°C]

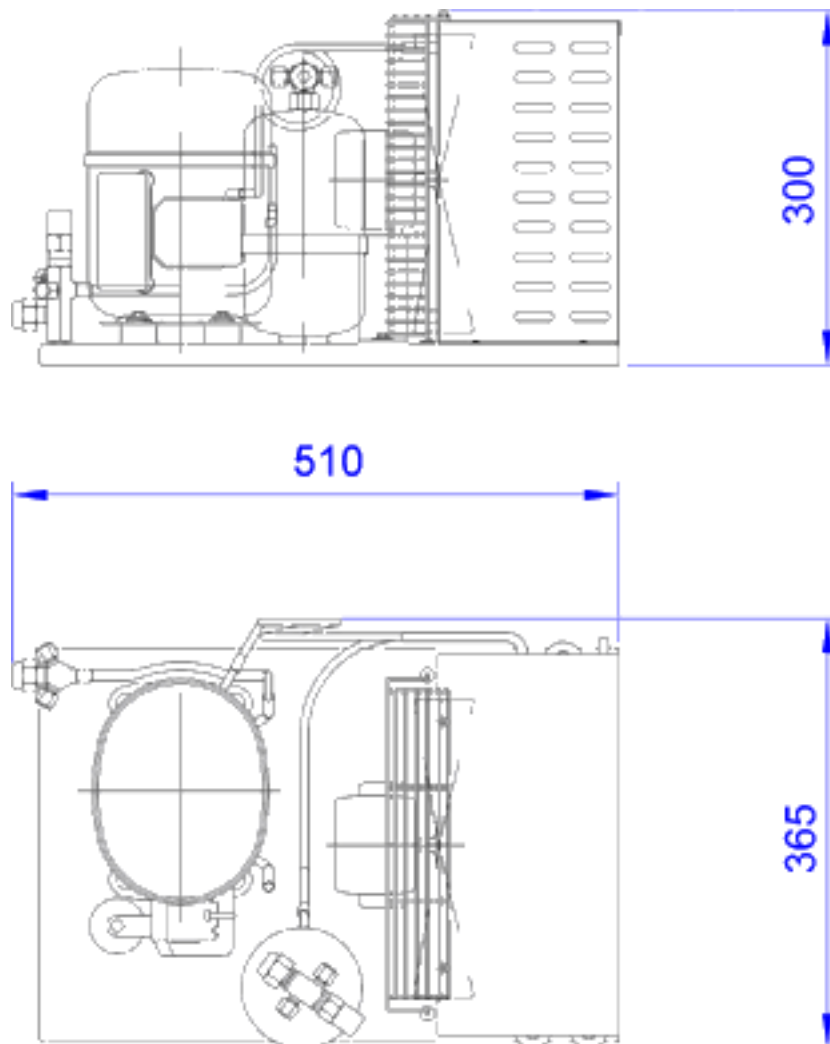
t_c - Condensing temperature [°C]

Q - Cooling capacity [W]

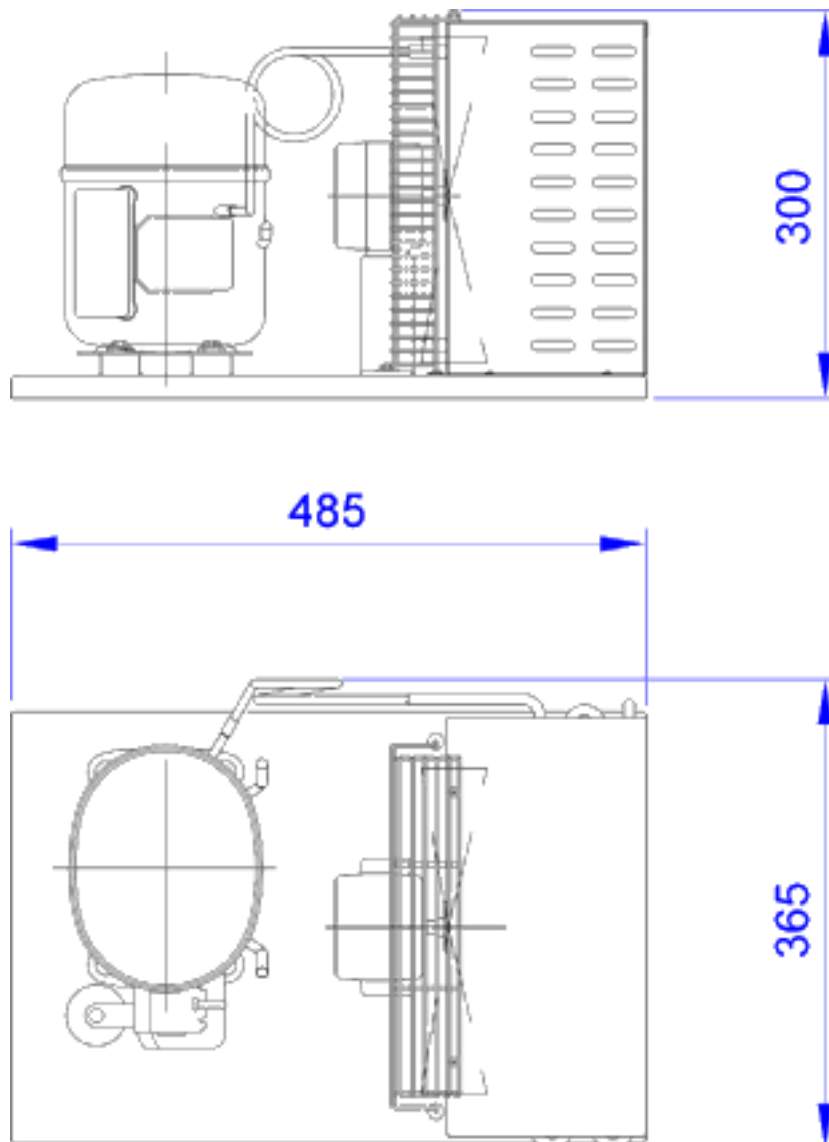
P - Power input [W]

I - Current input [A]

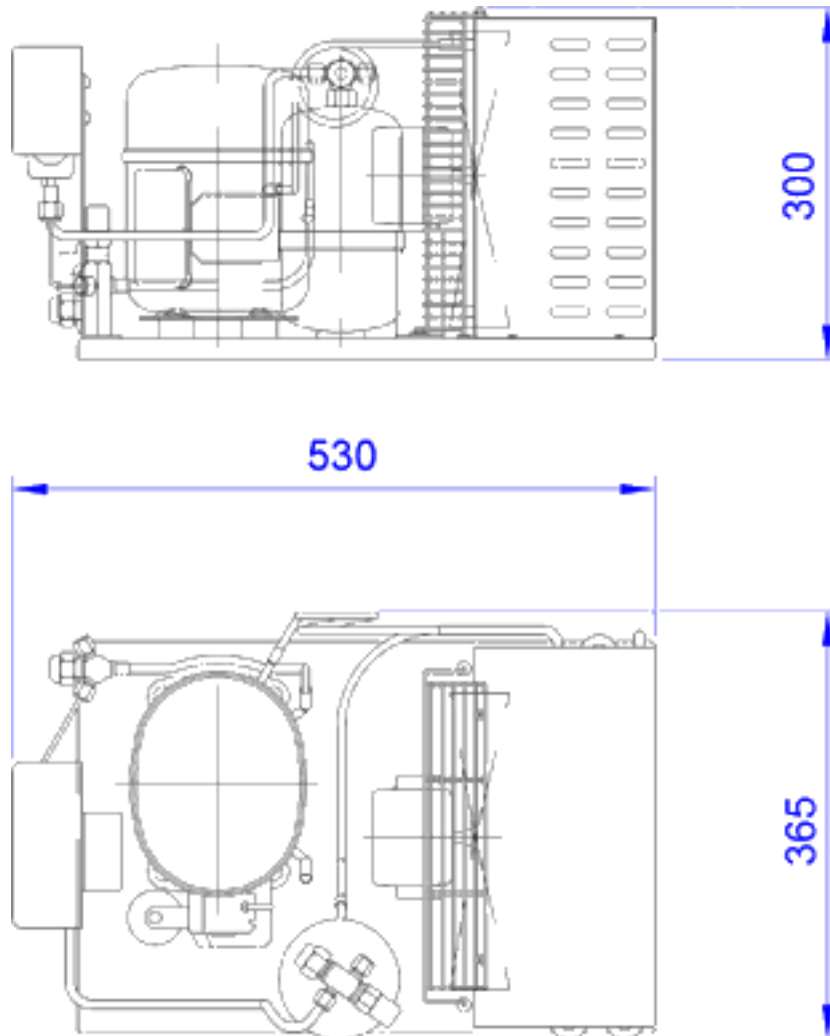
Version 3



Version 4

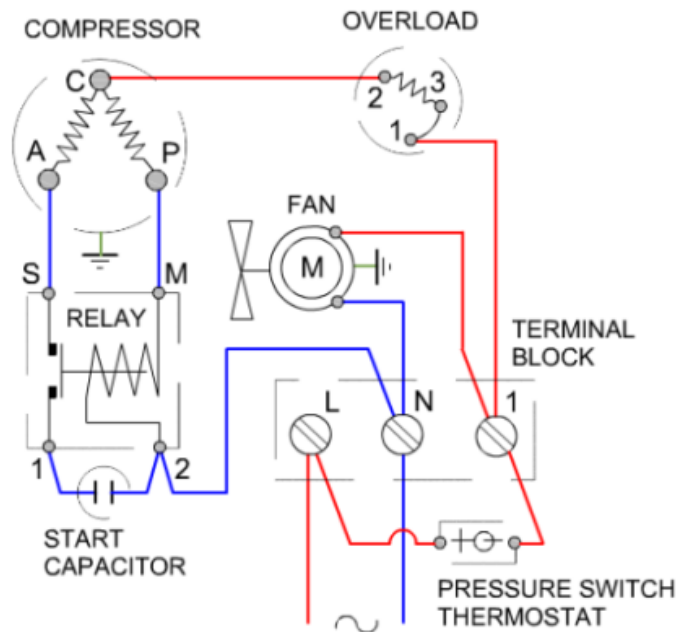


Version 5

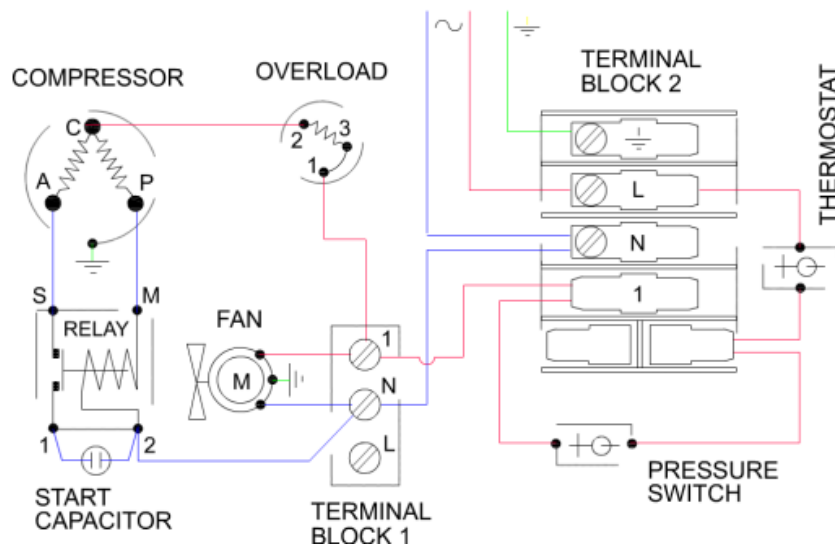




Version 1 - 4



Version 5



- COMPRESSOR - Compressor
- OVERLOAD - Overload protection
- TERMINAL BLOCK - Terminal block
- THERMOSTAT - Thermostat
- PRESSURE SWITCH - Pressure switch
- FAN - Fan
- RELAY - Starting relay
- START CAPACITOR - Starting capacitor